

Title (en)

NUCLEAR FUEL ROD END DISTANCE ADJUSTING DEVICE

Title (de)

VORRICHTUNG ZUR EINSTELLUNG DES KERNBRENNSTABENDABSTANDS

Title (fr)

DISPOSITIF DE RÉGLAGE DE DISTANCE D'EXTRÉMITÉ DE BARRE DE COMBUSTIBLE NUCLÉAIRE

Publication

EP 3748650 A4 20211027 (EN)

Application

EP 18902366 A 20180405

Priority

- KR 20180010619 A 20180129
- KR 2018004009 W 20180405

Abstract (en)

[origin: EP3748650A1] The present invention relates to a nuclear fuel rod end distance adjusting device and, more specifically, to a nuclear fuel rod end distance adjusting device capable of more minutely adjusting a movement length of a loading bar by means of the configuration of a loading power means depending on a change of a rotational motion to a linear motion and preventing the rotational motion of the loading power means from being transmitted to the loading bar such that the end distance of a nuclear fuel rod can be stably adjusted. To this end, the nuclear fuel rod end distance adjusting device comprises: a loading bar which includes nuclear fuel rod tongs and is linearly movable in the forward and backward directions; a hollow housing; a loading power means which is installed inside the housing and converts a rotational motion to a linear motion so as to move in the longitudinal direction of the housing; a connector connected between the loading power means and the loading bar; and a rotation prevention device which is installed between the loading power means and the connector and moves in the longitudinal direction of the housing in conjunction with the linear motion of the loading power means, wherein the rotation prevention device prevents the rotational force of the loading power means from being transmitted to the connector.

IPC 8 full level

G21C 3/33 (2006.01)

CPC (source: EP KR US)

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Citation (search report)

- [A] KR 20100037259 A 20100409 - KOREA NUCLEAR FUEL CO LTD [KR]
- [A] JP S61116690 A 19860604 - MITSUBISHI NUCLEAR FUEL
- See references of WO 2019146840A1

Designated contracting state (EPC)

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